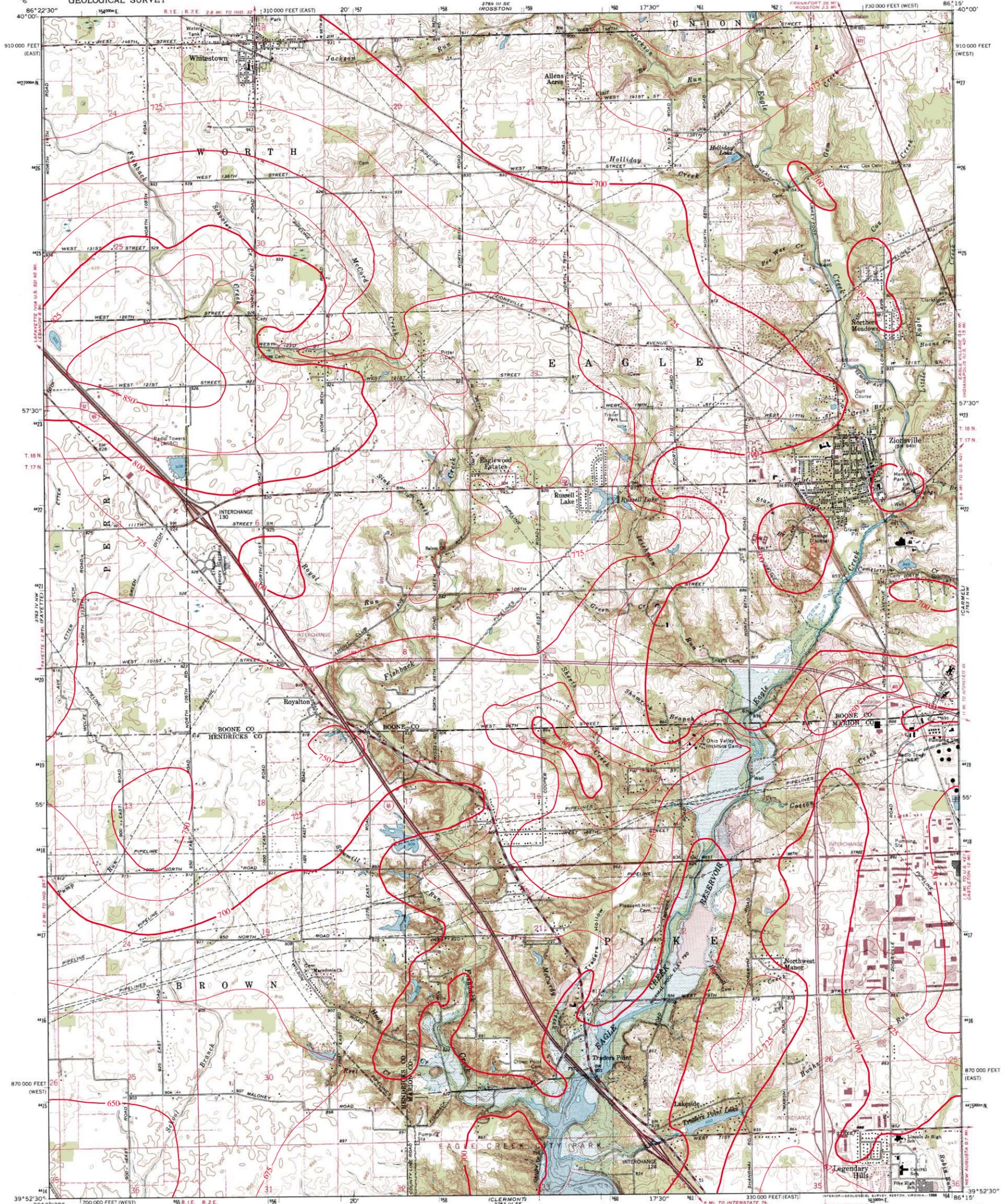


# BEDROCK TOPOGRAPHY OF ZIONSVILLE QUADRANGLE, INDIANA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ZIONSVILLE QUADRANGLE  
INDIANA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey  
Revised in cooperation with State of Indiana  
Department of Natural Resources  
Control by USGS, NOS/NOAA, and Indiana Flood Control  
and Water Resources Commission  
Planimetry by photogrammetric methods from aerial photographs  
taken 1952. Topography by planimetric surveys 1953. Revised 1966  
Polyconic projection. 1927 North American Datum  
10,000-foot grid ticks based on Indiana coordinate system,  
west and east zones  
1000-meter Universal Transverse Mercator grid ticks,  
zone 16, shown in blue  
To place on the predicted North American Datum 1983  
move the projection lines 1 meter south  
as shown by dashed corner ticks

UTM GRID AND 1983 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET  
Area covered by dashed light-blue pattern is subject  
to controlled inundation

SCALE 1:24,000  
CONTOUR INTERVAL 5 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22082,  
AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
Interstate Route U.S. Route State Route

1968  
PHOTOREVISED 1988  
DMA 3763 IV NE—SERIES V851

Bedrock surface map derived from water well records housed in IDNR/DOW, Ground Water Section, oil and gas well records housed in IDNR/DOG, and seismic data from the Indiana Geological Survey (IGS). Bedrock contouring by Marvin Thompson, Ground Water Section, Division of Water, IDNR, 1999. The bedrock contouring in Marion County was modified from Fleming and others, 1993.

Map generated by Glenn E. Grove  
IDNR, Division of Water, Ground Water Section  
January 17, 2002

